

STANDARD APPLICATION FOR INTERCONNECTION OF GENERATION RESOURCES IN PARALLEL TO THE ELECTRIC SYSTEM OF:

(Interconnecting Utility)

Preamble and Instructions:

An owner of a generation resource who requests interconnection to a State- regulated distribution or transmission facility, must submit an application by hand delivery, mail, e-mail or fax to the Interconnecting Utility, as applicable as follows:

Interconnecting Utility: _____

Interconnecting Utility's Designated Contact Person: _____

Interconnecting Utility's Address: _____

Interconnecting Utility's Fax Number: _____

Interconnecting Utility's E-Mail Address: _____

An application is a Complete Application when it provides all applicable and correct information required below. (Additional information to evaluate a request for Interconnection may be required pursuant to the application process after the application is deemed complete).

Processing Fee:

There is a \$300 Application fee that must be submitted to the Interconnection Utility along with this Application.

Section 1. Applicant Information**A. Legal Name of Interconnecting Applicant (or, if an Individual, Individual's Name)**

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Facility Location (if different from above): _____

Telephone (Daytime): (____) ____ - ____ (Evening): (____) ____ - ____

Facsimile Number: _____

E-Mail Address: _____

B. Alternative Contact Information (if different from Applicant)

Contact Name: _____

Contact Title: _____

Address: _____

Phone Number: _____

Facsimile Number: _____

E-mail address: _____

C. Will the Generation Resource be used for any of the following:

To supply power to the Interconnection Requester? Yes ____ No ____

To supply power to others? Yes ____ No ____

D. For generators installed at locations with existing electric service to which the proposed generator will interconnect, provide:_____
(Local Electric Service Provider*)_____
(Existing Account Number*)[*To be provided by Applicant if Local Electric Service Provider is different from
Interconnecting Utility]

Contact Name: _____

Contact Title: _____

Address: _____

Phone Number: _____

Facsimile Number (if known): _____

E-mail address (if known): _____

E. Requested Point of Interconnection: _____**F. Interconnection Applicant's requested in-service date:** _____

Section 2. Generator Qualifications

All data collected in Sections 2, 3, and 4 are applicable only to the generator facility, NOT the necessary interconnection facilities

Energy source: _____ Solar _____ Wind _____ Hydro _____ Type (e.g. Run-of-River)
_____ Diesel _____ Natural Gas _____ Fuel Oil Other (state type) _____

Type of Generator: _____ Synchronous _____ Induction _____ DC Generator or Solar
with Inverter

Generator Nameplate Rating: _____ kW (Typical)

Generator Nameplate kVAR: _____

Applicant or Customer-Site Load: _____ kW (if none, so state) (Typical);
_____ (Reactive Load, if known)

Maximum Physical Export Capability Requested: _____ kW

List components of the Generating Facility that are currently certified by a U.S. Department of Energy-approved laboratory and/or listed by the Underwriters Laboratory:

Equipment Type (Identify)	UL Listing or U.S. Lab Certification
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____

Section 3. Generator Technical Information

Generator (or solar collector) Manufacturer, Model Name & Number: _____

Version Number: _____

Nameplate Output Power Rating in kW: (Summer) _____ (Winter) _____

Nameplate Output Power Rating in kVA: (Summer) _____ (Winter) _____

Nameplate Output Power Rating: _____ kW @ _____ °C temp. rise above ambient _____ °C

Nameplate Output Power Rating: _____ kVA @ _____ °C temp. rise above ambient _____ °C

Individual Generator Power Factor

Rated Power Factor Leading: _____

Rated Power Factor Lagging: _____

Total Number of Generators in Wind Farm to be interconnected pursuant to this application:

Elevation: _____ Single phase: _____ Three phase: _____

Inverter Manufacturer, Model Name & Number (if used): _____

List of Adjustable Set points for the protective equipment or software: _____

Generator Characteristic Data (for rotating machines):

[Note: For Wind Generators not reasonably expected to be eligible for Fast Track, a completed General Electric Company Power Systems Load Flow (PSLF) data sheet must be supplied with the application.]

For Synchronous and Induction Generators:

Direct Axis Transient Reactance, $X'd$: _____ P.U.

Direct Axis Unsaturated Transient Reactance, $X'di$: _____ P.U.

Direct Axis Subtransient Reactance, $X''d$: _____ P.U.

Generator Saturation Constant (1.0): _____

Generation Saturation Constant (1.2): _____

Negative Sequence Reactance: _____ P.U.

Zero Sequence Reactance: _____ P.U.

kVA Base: _____

RPM Frequency: _____

Additional information for Induction Generators:

*Field Volts _____

*Field Amperes _____

*Motoring Power (kW) _____

*Neutral Grounding Resistor (If Applicable) _____

*I22t or K (Heating Time Constant) _____

*Rotor Resistance _____

*Stator Resistance *Stator Reactance _____

*Rotor Reactance *Magnetizing Reactance _____

*Short Circuit Reactance _____

*Exciting Current _____

*Temperature Rise _____

*Frame Size *Design Letter _____

*Reactive Power Required In Vars (No Load) _____

*Reactive Power Required In Vars (Full Load) _____

*Total Rotating Inertia, H: _____ Per Unit on kVA Base

[*Note: Please contact Interconnecting Utility prior to submitting the Application, to determine if the specified information above is required.]

Excitation & Governor System Data for Synchronous Generators only

Provide either a copy of the manufacturer's block diagram or appropriate IEEE model block diagram of excitation system, governor system and power system stabilizer (PSS) in accordance with the regional reliability council criteria. A PSS may be determined to be required by applicable studies.

Section 4. Interconnection Equipment Technical Data Information

Will a transformer be used between the generator and the point of interconnection? ____ Yes
____ No

Will the transformer be provided by Interconnection Applicant? ____ Yes ____ No

Transformer Data (if applicable. for Interconnection Applicant-Owned Transformer):

Is the transformer: ____ single phase ____ three phase?

Size: ____ kVA

Transformer Impedance: ____ % on ____ kVA Base

If Three Phase:

Transformer Primary: ____ Volts ____ Delta ____ Wye ____ Wye Grounded

Transformer Secondary: ____ Volts ____ Delta ____ Wye ____ Wye Grounded

Transformer Fuse Data (optional - Interconnection Requester may work with Interconnecting Utility to properly size any fuses at the Point of Interconnection):

(Attach copy of fuse manufacturer's Minimum Melt & Total Clearing Time-Current Curves)

Manufacturer: ____ Type: ____ Size: ____
Speed: ____

Interconnecting Circuit Breaker (if applicable):

Manufacturer: ____ Type: ____ Load Rating: ____ Interrupting Rating: ____
Trip Speed: ____
(Amps) (Amps)
(Cycles)

Current Transformer Data (if applicable):

(Enclose copy of Manufacturer's Excitation & Ratio Correction Curves)

Manufacturer: ____ Type: ____ Accuracy Class: ____ Proposed Ratio
Connection: ____

Manufacturer: ____ Type: ____ Accuracy Class: ____ Proposed Ratio
Connection: ____

Potential Transformer Data (if applicable):

Manufacturer: _____ Type: _____ Accuracy Class: _____
Proposed Ratio Connection: _____

Manufacturer: _____ Type: _____ Accuracy Class: _____
Proposed Ratio Connection: _____

Section 5. General Technical Information

Enclose copy of site electrical One-Line Diagram showing the configuration of all generating facility equipment, current and potential circuits, and protection and control schemes.

Is one-line diagram enclosed? _____ Yes

[Note: This one-line diagram must be signed and stamped by a licensed Professional Engineer if the generating facility is larger than 150 kW.]

Enclose copy of any site documentation that indicates the precise physical location of the proposed generating facility (e.g., USGS topographic map or other diagram or documentation).

Proposed Location of Protective Interface Equipment on Property:
(include address if different from Application address) _____

Enclose copy of any site documentation that describes and details the operation of the protection and control schemes. Is any available documentation enclosed? _____ Yes

Enclose copies of schematic drawings for all protection and control circuits, relay current circuits, relay potential circuits, and alarm/monitoring circuits (if applicable).

Are schematic drawings enclosed? _____ Yes

Enclose documentation of site control, showing at least one of the following: (a) ownership of, a leasehold interest in, or a right to develop a site for the purpose of constructing a Generation Resource; (b) an option to purchase or acquire a leasehold site for such purpose; or (c) an exclusivity or other business relationship between the Generation Resource and the entity having the right to sell, lease or grant the Generation Resource the right to possess or occupy a site for such purpose.

Section 6. Applicant Signature

I hereby certify that, to the best of my knowledge, all the information provided in the Interconnection Application is true and correct.

Signature of Applicant: _____ Date: _____